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(72) Inventor: Kim, Yun-Hyang
Kumi-shi, Kyongsangbuk-do (KR)

(74) Representative: Grünecker, Kinkeldey,
Stockmair & Schwanhäusser Anwaltssozietät
Maximilianstrasse 58
80538 München (DE)

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(71) Applicant: SAMSUNG ELECTRONICS CO., LTD.
Suwon-City, Kyungki-do (KR)

(54) Mobile radio telephone and method for operating the same

(57) The present invention relates generally to a mobile radio telephone capable of recording and reproducing received frame data of voice channels, the data rate of which varies based on the voice traffic per unit time. The mobile radio telephone comprises a memory for storing data, a recording controller for sequentially storing format bytes and data packets included in voice channel frames in response to a recording command in

a communication mode, a reproducing controller for analyzing a format byte of the voice channel frame stored in the memory and accessing data rate information and packet data, to thereby supply the accessed data to a decoder in response to a reproducing command in an idle mode, and a digital-to-analog converter for converting a voice sample data outputted from the decoder into an analog signal.

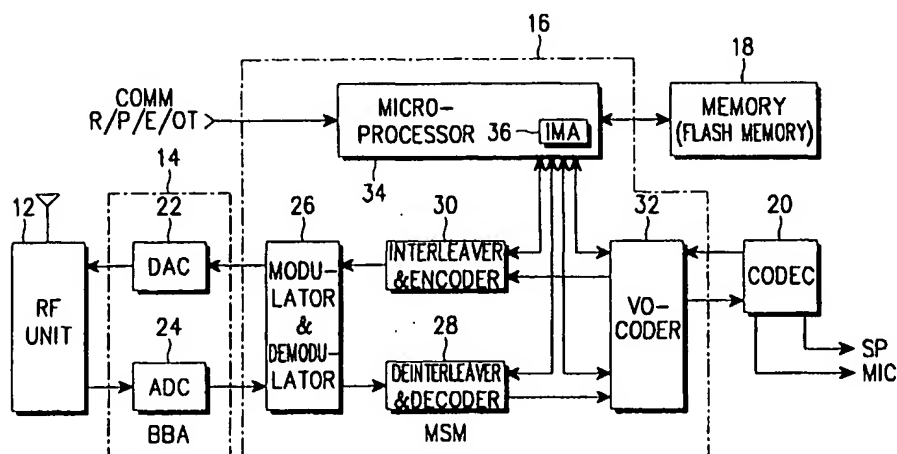


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 99 10 3212

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP 0 762 711 A (NOKIA MOBILE PHONES LTD) 12 March 1997 (1997-03-12) * abstract; figure 1 * * column 2, line 46 - line 50 * * column 3, line 11 - line 16 * * column 11, line 2 - line 5 * * column 11, line 35 - line 40 * ---	1-15	H04M1/72 H04M1/65
X	EP 0 725 499 A (SONY CORP) 7 August 1996 (1996-08-07) * column 1, line 5 - line 11 * * column 1, line 40 - line 45 * * column 4, line 31 - line 38 * * column 5, line 57 - column 6, line 5 * * column 7, line 1 - line 5 * * column 7, line 50 - line 57 * * column 11, line 11 - line 15 * * figures 1,3,4 * ---	1-15	
A	US 5 689 511 A (SHIMAZAKI YOSHIHITO ET AL) 18 November 1997 (1997-11-18) * column 1, line 5 - line 39 * * figure 1 * -----	1-15	TECHNICAL FIELDS SEARCHED (Int.Cl.6) H04M
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 27 June 2003	Examiner Täger, W
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 99 10 3212

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27-06-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0762711	A	12-03-1997	US 5790957 A	04-08-1998
			EP 0762711 A2	12-03-1997
			JP 9130863 A	16-05-1997

EP 0725499	A	07-08-1996	AU 709245 B2	26-08-1999
			AU 3190495 A	14-03-1996
			EP 0725499 A1	07-08-1996
			US 5839110 A	17-11-1998
			CN 1136374 A ,B	20-11-1996
			WO 9606489 A1	29-02-1996

US 5689511	A	18-11-1997	JP 3169522 B2	28-05-2001
			JP 8195683 A	30-07-1996
			KR 196736 B1	15-06-1999

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